

1/10

hFRS2: 1 MGSCCSCPDKDTPVDNHRNKFVINVDDDGNELGSGIMELTDTELILYTRKRDSVKWHYL
mFRS2: M-----V-----
hFRS3: 1 MGSCCSCLNDRSVPDNHPTKFKVTNVDDDEGVELGSGVMELTQSELVLHLHRREAVRWPYL
mFRS3: M---W---D-----H-----Q-----
**** * * * * * * * * * * * * * * * * * * *

hFRS2: 61 CLRRYGYDSNLFSFESGRRCQTGGIFAFKCARAEELFNMLQEIMQNNNSINVVEEPVVE
mFRS2: -----
hFRS3: 61 CLRRYGYDSNLFSFESGRRCQTGGIFAFKCSRAEEIFNLLQDLMQCNSINVMEEPVIIT
mFRS3: -----D-----T-----
***** * * * * *

hFRS2: 120 RNNHQTELEVPRTPRTPTTPGFAAQNLPGYPRYPSFGDASSHPSSRHPVGSARLPSVG
mFRS2: -SS-----LG-----
hFRS3: 121 RNSHPAELDLPRAP QPPNALGYTVSSFSNGCP GEGPRFSAPRRLSTSSLRHPSLG
mFRS3: -S---P-----G-P--AGYTVSGF-NGFP---P-----P-
* * * * * * * * * * * * * * * * *

Grb2

hFRS2: 180 EESTHPLLVAEEQVHTYVNTTGVQEERKNRTSVHVPLEARVSNAESSTPKEEPSSIEDRD
mFRS2: -----A-----P-----N-----NP-----
hFRS3: 176 EESTHALIAPDEQSHTYVNTFASEDDHRRGRHCLQPLPE GOAPFLPQARGP DQRD
mFRS3: -----T---SE-----TGDE-G-S -----RV-LPA-TQ-S ----
* * * * * * * * * * *

hFRS2: 240 PQILLEPEGVKFVLGPTPVQQLMEKEKLEQLGRDQVSGSGANNTWDTGYDSDERRDAP
mFRS2: --V--K---R-----K-P-----G-----V-
hFRS3: 231 PQVFLQPGQVKFVLGPTPARRHMKCQGLCPSLHDPHNNNNEAP SECP
mFRS3: ---L-----QVM---S---GMQ-----G- ----
* * * * * * * * * * *

Grb2 **Grb2**

hFRS2: 300 SVNKLVIENINGLSIPSASGVRRGRLTSTSTSDTQININNSAQRRRTALLNYENLPSLPPVW
mFRS2: P-----P-----
hFRS3: 281 AQPKCTYENVTG GLWRGAGWRLSPEEPGWNGLAHRRRAALLHYENLPLPLPPVW
mFRS3: -----S- --QQ-----R--S-----
* * * * * * * * * * *

Grb2

hFRS2: 360 EARKLSRDEDDNLGPKTPSLNGYHNNLDPMHNYVNTENVTPASAHKIEYSR
mFRS2: -----D--K
hFRS3: 333 ESQAQQLGGEAGDDGDSRDGLTPSSNGFPDGEEDETPLQKPTSTRAAIRSHGSFPVPLTR
mFRS3: ---G--P-----SA---SG-----
* * * *

SH-PTP2

hFRS2: 412 RRDCTPTVFENFDIRRPSEH RQLNYYIQVDLEGGSDSDNPQTPKTPPTPLPQTPTRR
mFRS2: -----
hFRS3: 393 RRG SPRVFNFDPRPGPEPPRQLNYYIQVELKGWGGDRPKGPQNPSQPAPMPTTHPARS
mFRS3: ---Q-----TA-----VSG--G--P--V--
* * * * * * * * *

SH-PTP2

hFRS2: 468 TELYAVIDIERTAAMS NLQKALPRDDGTSRKTRHNSTD LPM 508
mFRS2: -----
hFRS3: 452 SDSYAVIDLKKTVAMS NLQALPRDDGTARKTRHNSTD LPL 492
mFRS3: -----A---D-----AV-----
***** * * * * *

FIGURE 1

2/10

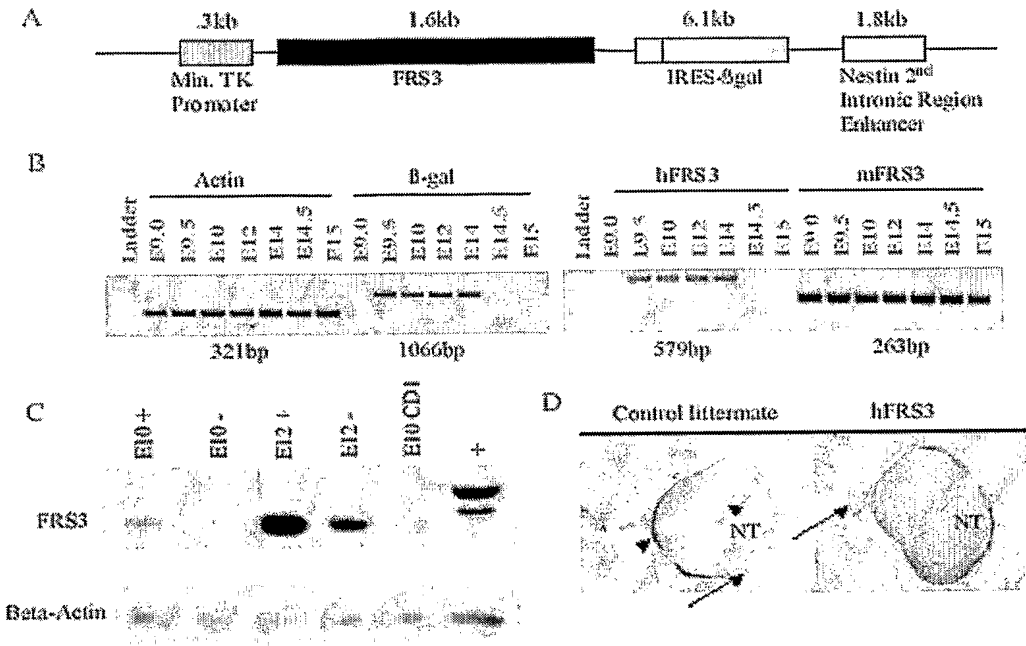


FIGURE 2

3/10

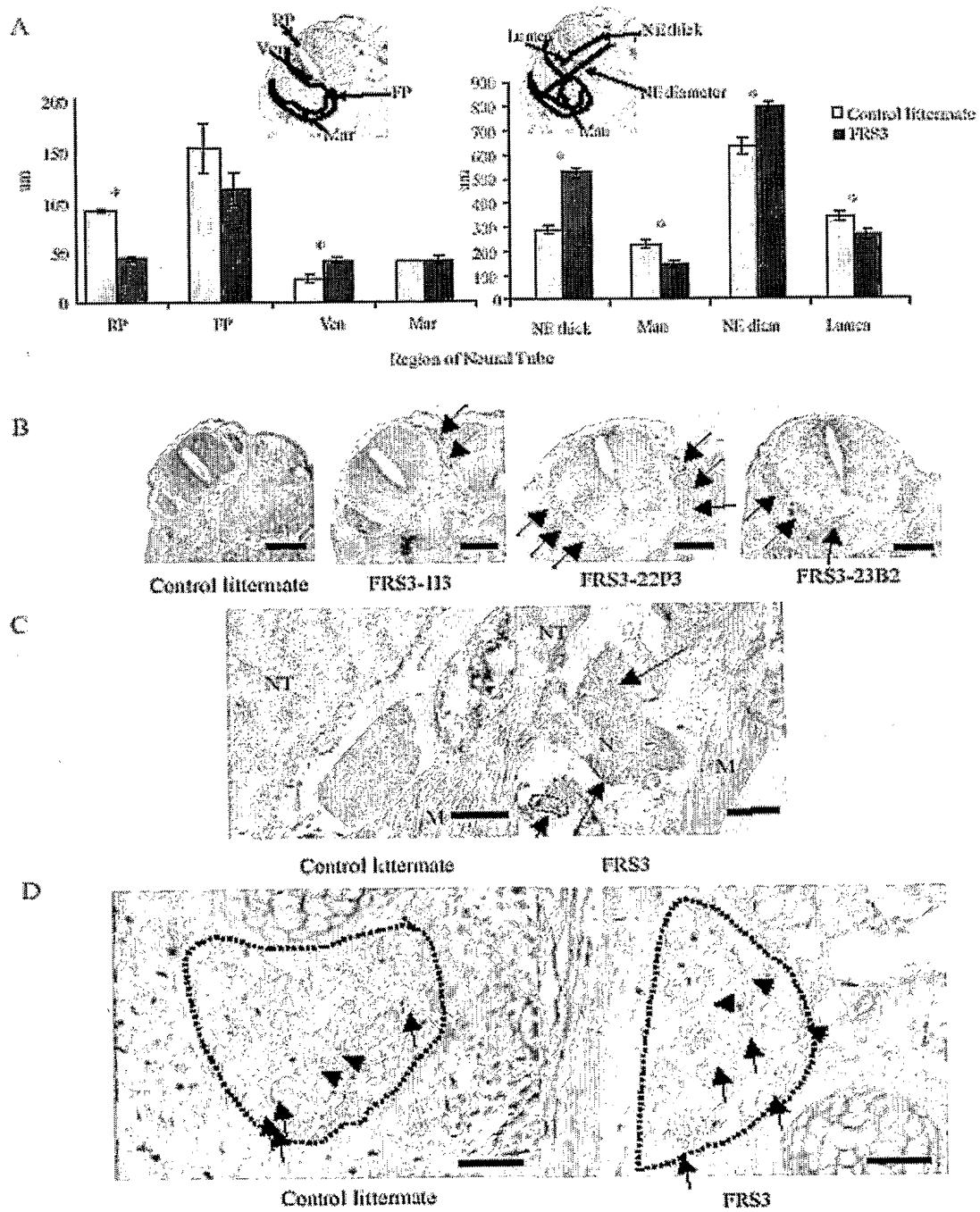
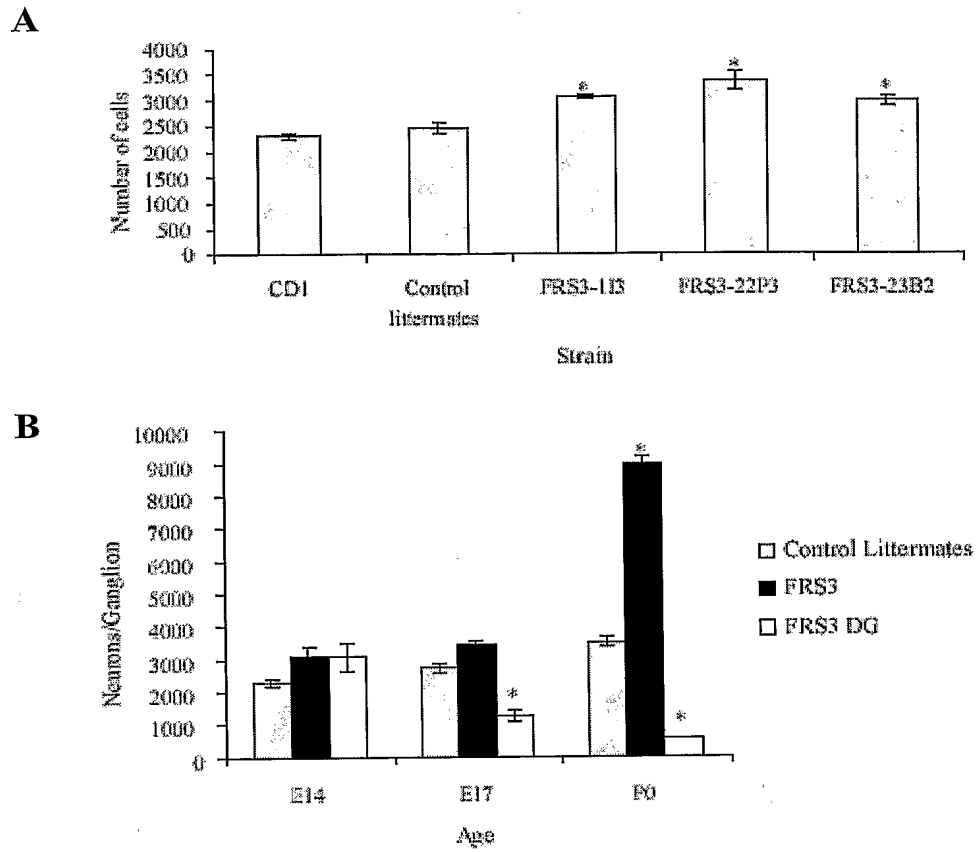


FIGURE 3

4/10

**FIGURE 4**

5/10

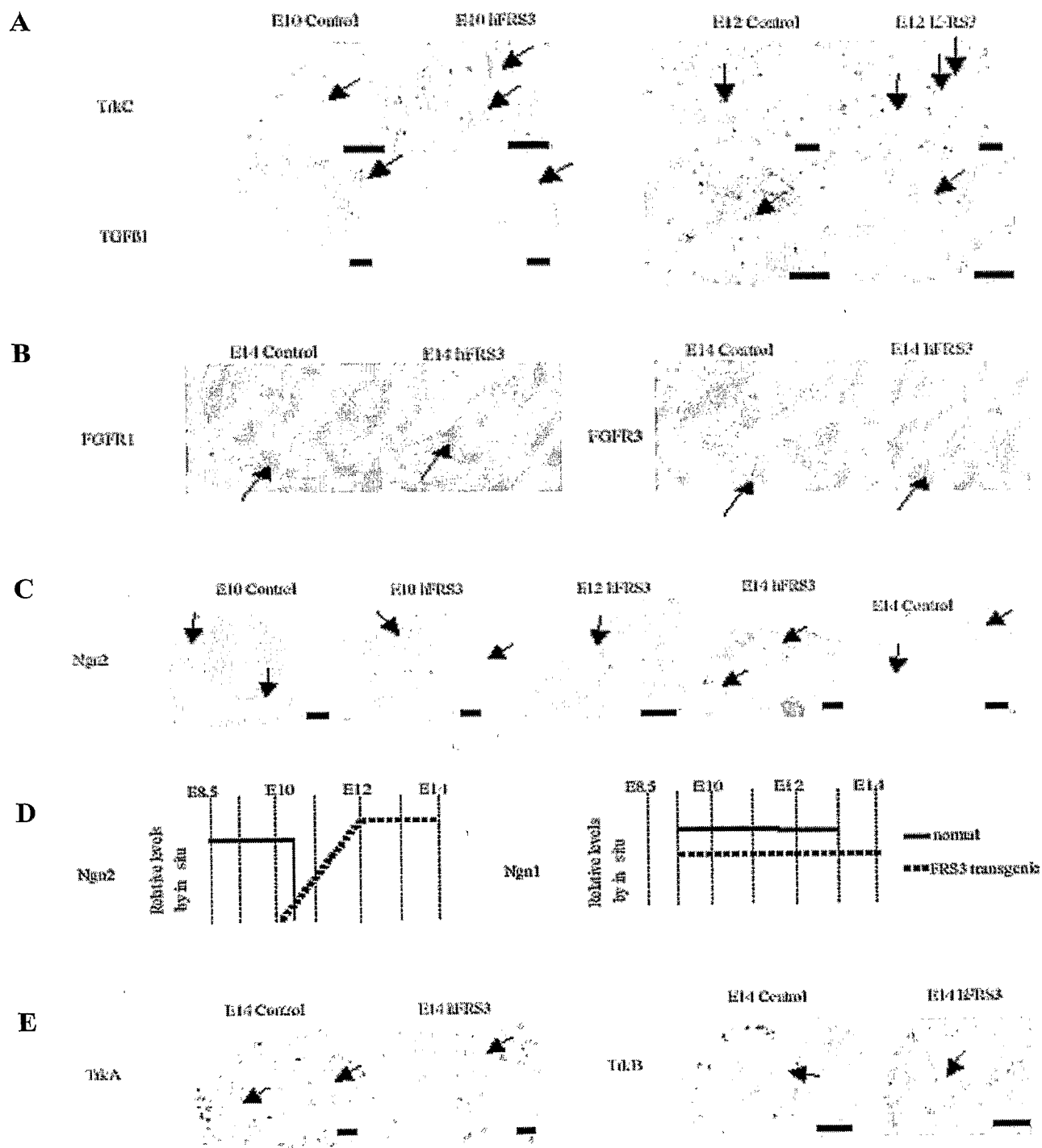


FIGURE 5

6/10

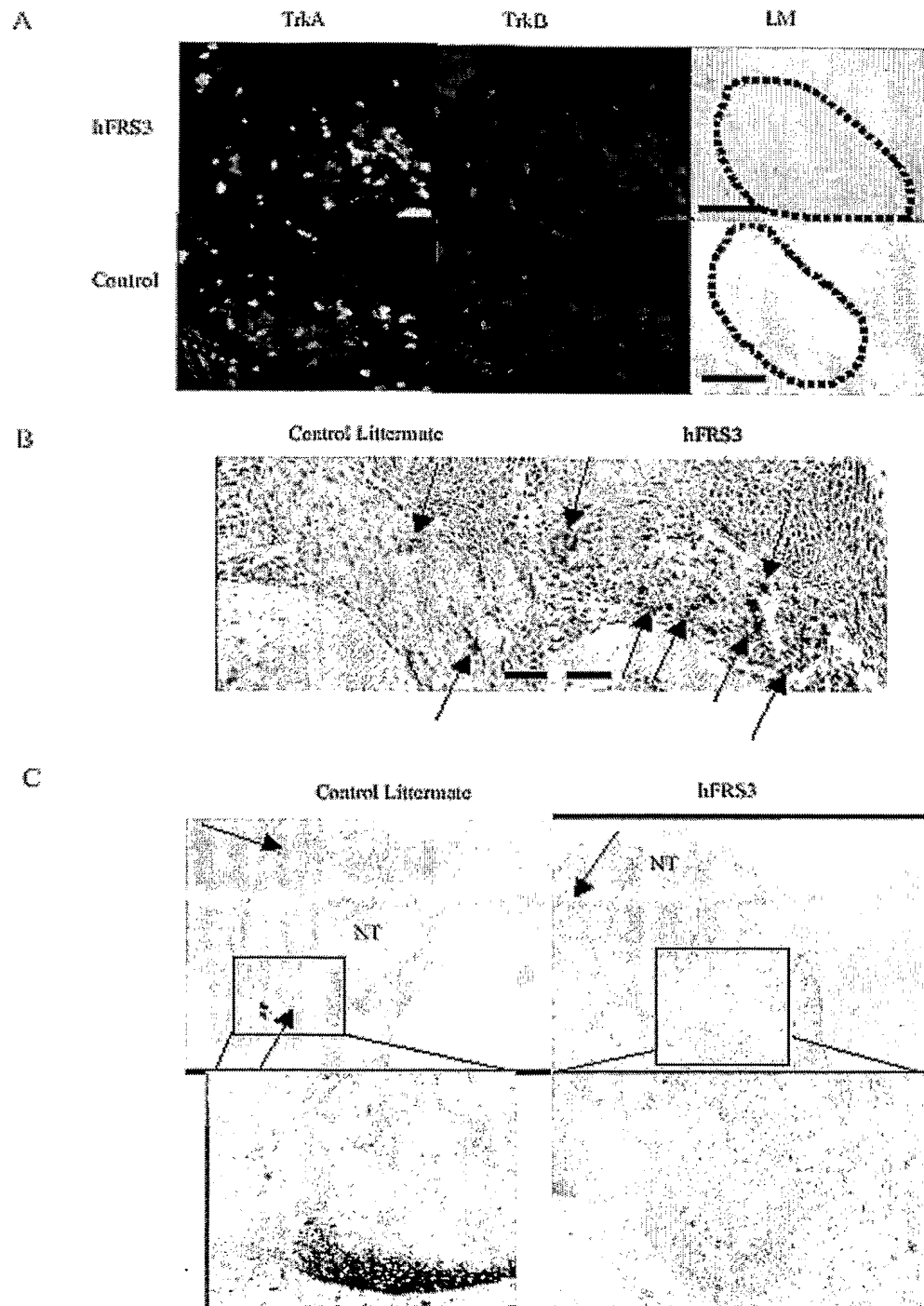
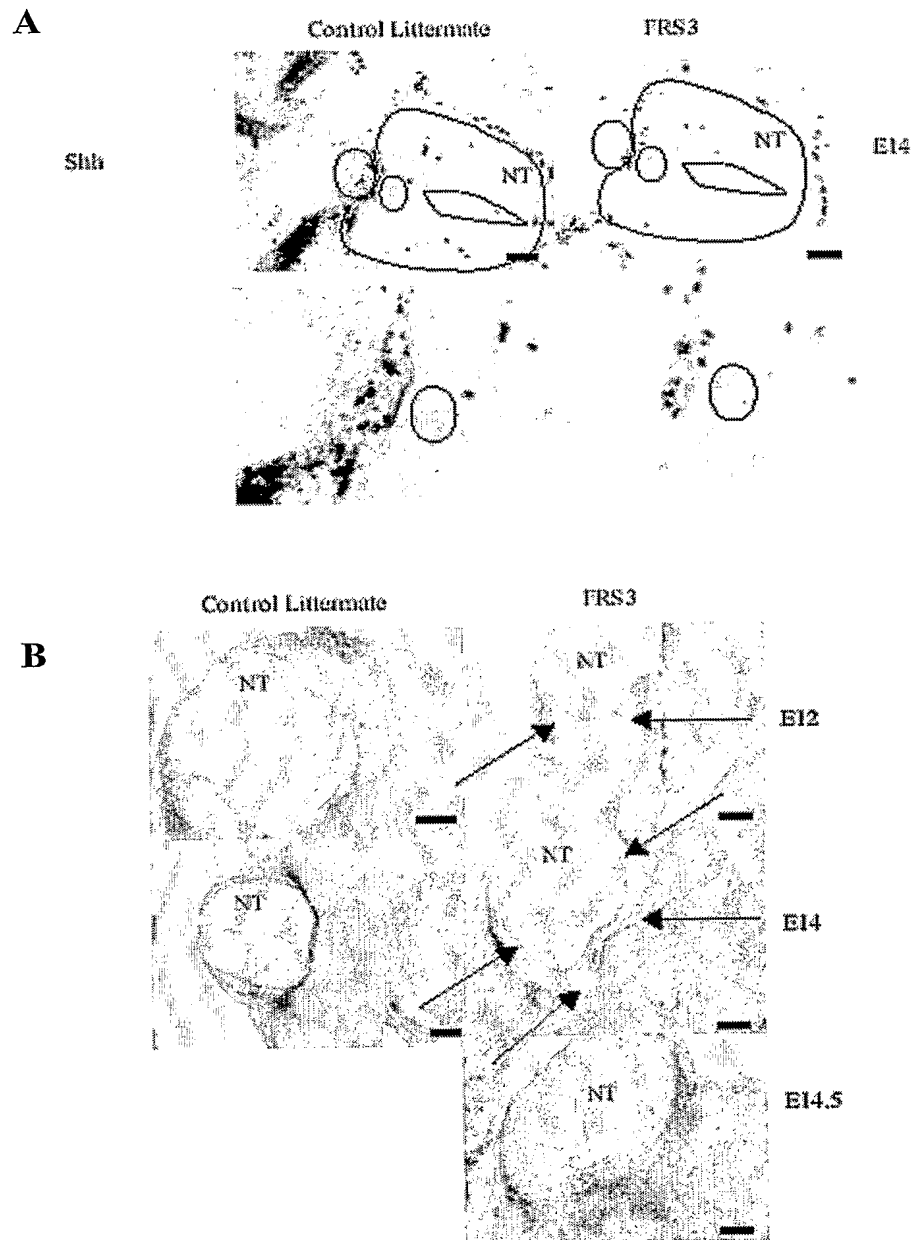


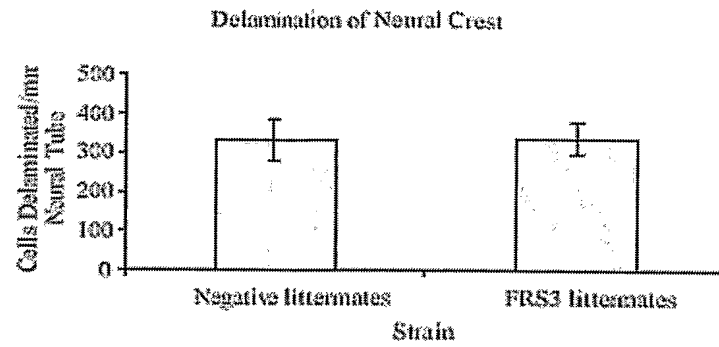
FIGURE 6

7/10

**FIGURE 7**

8/10

A



B

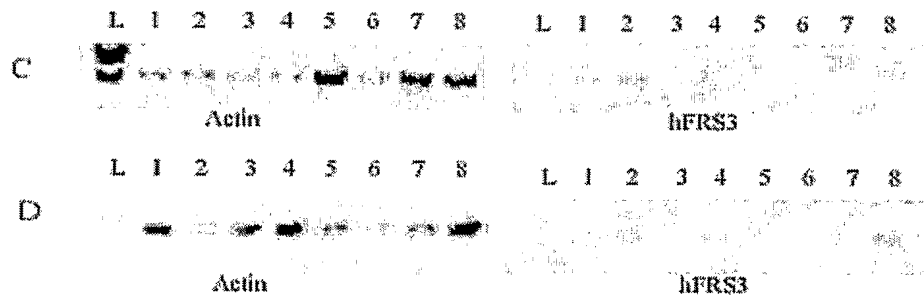
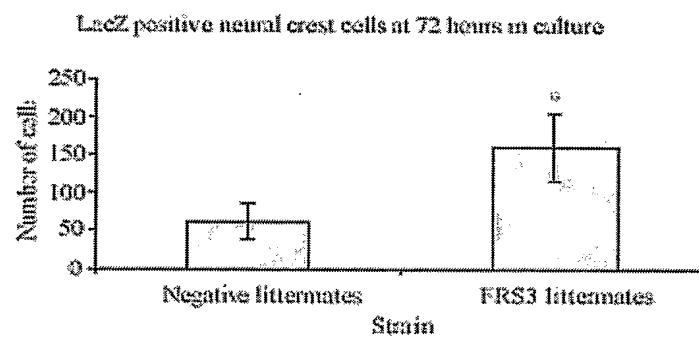
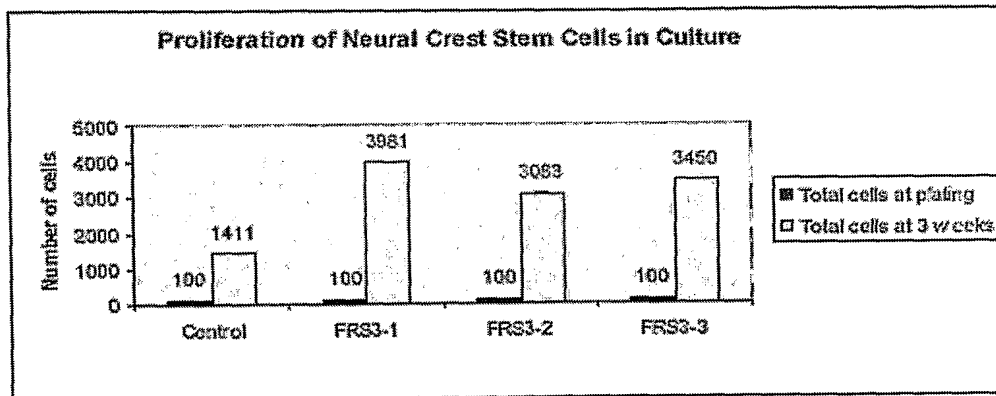


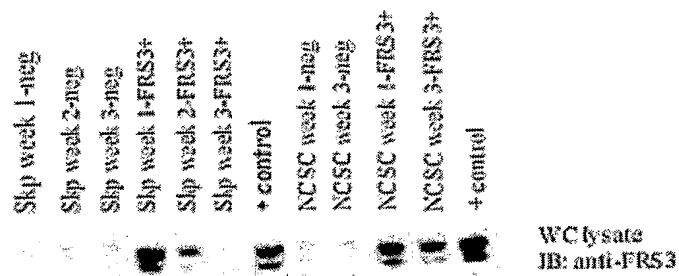
FIGURE 8

9/10

A



B



C

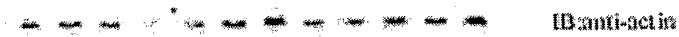


FIGURE 9

10/10

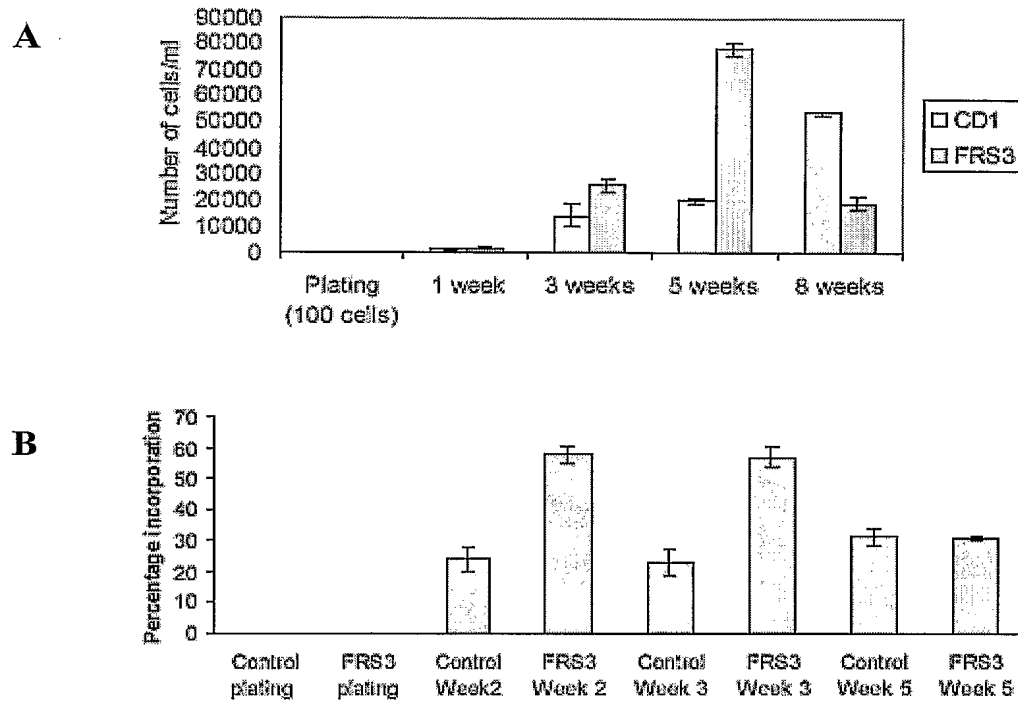


FIGURE 10